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DATE: FEBRUARY 15, 2005

NUMBER OF PAGES (INCLUDING  
THIS TRANSMITTAL COVER SHEET): 12

TIME:

OUR REFERENCE: 223592

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**FROM: CHRISTOPHER T. GRIFFITH**  
REGISTRATION NO. 33,392

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**TO: EXAMINER Ling X. Xu**  
GROUP 1775  
MAIL STOP AMENDMENT  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

TELEPHONE NUMBER:

FACSIMILE NUMBER: 703-872-9306

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IN RE APPLN. OF: ANDRIESSEN  
APPLICATION NO. 10/628,618  
FILED: JULY 28, 2003  
FOR: NANO-POROUS METAL OXIDE SEMICONDUCTOR  
SPECTRALLY SENSITIZED WITH METAL OXIDE  
CHALCOGENIDE  
GROUP ART UNIT: 1775  
EXAMINER: Ling X. Xu

A RESPONSE TO THE OFFICE ACTION DATED NOVEMBER 15, 2004 FOLLOWS.

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LVM 312 616 5700

NO. 7944 P. 2/12 ENT

Attorney Docket No. 223592

Date: February 15, 2005

In re Application of: ANDRIESSEN

Application No. 10/628,618

Filed: July 28, 2003

For: NANO-POROUS METAL OXIDE SEMICONDUCTOR SPECTRALLY SENSITIZED WITH METAL OXIDE CHALCOGENIDE

Mail Stop Amendment  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

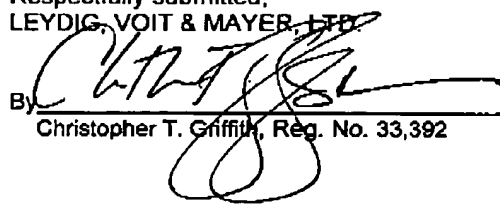
Transmitted herewith is a response to an office action in the subject application.

- ☐ Small entity status is claimed for this application under 37 CFR 1.27.
- ☒ Petition for an extension of time for the period noted below, as well as for any additional period necessary to render the present submission timely. Please charge Deposit Account No. 12-1216 for the appropriate petition fee.
- ☐ Other:
- ☒ Please charge Deposit Account No. 12-1216 in the total amount indicated below. A duplicate copy of this transmittal sheet is enclosed herewith.

					SMALL ENTITY		OTHER THAN A SMALL ENTITY		
TIME EXTENSION PETITION FEE			none		\$ 0.00		\$ 0.00		
		subtract time extension fee previously paid		none		(\$ 0.00)		(\$ 0.00)	
CLAIM FEE		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	EXTRA CLAIMS PRESENT	RATE	ADD'L CLAIM FEE	RATE	ADD'L CLAIM FEE
TOTAL		19	MINUS	22	=	x 25=	\$	x 50=	\$
INDEPENDENT		5	MINUS	4	= 1	x 100=	\$	x 200=	\$200.00
<input type="checkbox"/>	FIRST PRESENTATION OF MULTIPLE CLAIM					+ 180=	\$	+ 360=	\$
TOTAL AMOUNT TO BE CHARGED TO DEPOSIT ACCOUNT					TOTAL	\$	TOTAL	\$200.00	

- ☒ The Commissioner is hereby authorized to charge any deficiencies in the following fees associated with this communication or credit any overpayment to Deposit Account No. 12-1216.
- ☒ Any filing fees under 37 CFR 1.16 for the presentation of extra claims.
- ☒ Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,  
 LEYDIG, VOIT & MAYER, LTD.

By:   
 Christopher T. Griffith, Reg. No. 33,392

Leydig, Voit & Mayer, Ltd.  
 Two Prudential Plaza, Suite 4900  
 180 North Stetson Avenue  
 Chicago, Illinois 60601-6780  
 (312) 616-5600 (telephone)  
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Amendment or ROA Transmittal (Revised 12/3/04)

COF U

In re Application of: ANDRIESSEN

Application No. 10/628,618

Filed: July 28, 2003

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Mail Stop Amendment  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

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	subtract time extension fee previously paid	none			(\$ 0.00)		(\$ 0.00)	
CLAIM FEE	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	EXTRA CLAIMS PRESENT	RATE	ADD'L CLAIM FEE	RATE	ADD'L CLAIM FEE
TOTAL	19	MINUS	22	=	x 25=	\$	x 50=	\$
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<input type="checkbox"/>	FIRST PRESENTATION OF MULTIPLE CLAIM				+ 180=	\$	+ 360=	\$
TOTAL AMOUNT TO BE CHARGED TO DEPOSIT ACCOUNT					TOTAL	\$	TOTAL	\$200.00

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Respectfully submitted,  
 LEYDIG, VOIT & MAYER, LTD.

By   
 Christopher T. Griffith, Reg. No. 33,392

Leydig, Voit & Mayer, Ltd.  
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Amendment or ROA Transmittal (Revised 12/3/04)

**RECEIVED  
CENTRAL FAX CENTER****FEB 15 2005****PATENT**  
Attorney Docket No. 223592  
Client Reference No. GN02090**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

ANDRIESSEN

Art Unit: 1775

Application No. 10/628,618

Examiner: Ling X. Xu

Filed: July 28, 2003

For: NANO-POROUS METAL OXIDE  
SEMICONDUCTOR SPECTRALLY  
SENSITIZED WITH METAL OXIDE  
CHALCOGENIDE**RESPONSE TO OFFICE ACTION**Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated November 15, 2004, please enter the following amendments and consider the following remarks.

<b>CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8</b>			
I hereby certify that this Response to Office Action and all accompanying documents are, on the date indicated below, <input type="checkbox"/> being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop , Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or <input checked="" type="checkbox"/> being facsimile transmitted to the U.S. Patent and Trademark Office, Attention: Examiner Ling X. Xu, Art Unit 1775, Facsimile Number 703-872-9306.			
Name (Print/Type)	Elizabeth Hernandez		
Signature	Elizabeth Hernandez	Date	February 15, 2005